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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	AUG 10	Time limit for inactive STN sessions doubles to 40 minutes
NEWS 3	AUG 18	COMPENDEX indexing changed for the Corporate Source (CS) field
NEWS 4	AUG 24	ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
NEWS 5	AUG 24	CA/CAplus enhanced with legal status information for U.S. patents
NEWS 6	SEP 09	50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
NEWS 7	SEP 11	WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
NEWS 8	OCT 21	Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
NEWS 9	OCT 21	Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
NEWS 10	OCT 27	Free display of legal status information in CA/CAplus, USPATFULL, and USPAT2 in the month of November.

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

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FILE 'HOME' ENTERED AT 04:05:33 ON 08 NOV 2009

=> FILE CASREACT
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'CASREACT' ENTERED AT 04:05:51 ON 08 NOV 2009
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FILE CONTENT:1840 - 8 Nov 2009 VOL 151 ISS 20

New CAS Information Use Policies, enter HELP USAGETERMS for details.

****
*
* CASREACT now has more than 16.5 million reactions *
*
****

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=>
Uploading C:\Program Files\Stnexp\Queries\LG16.str

chain nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 16 17
chain bonds :
1-2 1-6 1-7 1-8 2-3 2-4 2-5 9-10 10-11 10-12 10-13 16-17
exact/norm bonds :
1-2 1-6 1-7 1-8 2-3 2-4 2-5 9-10 10-11 10-12 10-13 16-17

G1:H,X,Cy,Ak

G2:Cl,F

G3:Br,I

Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 16:CLASS 17:CLASS
fragments assigned product role:
containing 9
fragments assigned reactant/reagent role:
containing 1
containing 16

```
L1      STRUCTURE UPLOADED

=> S L1 FULL
FULL SEARCH INITIATED 04:06:30 FILE 'CASREACT'
SCREENING
SCREENING COMPLETE -    80635 REACTIONS TO VERIFY FROM     6605 DOCUMENTS

 93.0% DONE   74975 VERIFIED   10420 HIT RXNS                  1160 DOCS

100.0% DONE   80635 VERIFIED   10491 HIT RXNS                  1176 DOCS
SEARCH TIME: 00.00.41

L2         1176 SEA SSS FUL L1 ( 10491 REACTIONS)

=> S L2 AND ALKALI METAL
         14830 ALKALI
         60778 METAL
          7876 ALKALI METAL
                (ALKALI(W)METAL)
L3           5 L2 AND ALKALI METAL

=> S L2 AND ALKALINE EARTH METAL
          2778 ALKALINE
          6774 EARTH
         60778 METAL
           170 ALKALINE EARTH METAL
                (ALKALINE(W)EARTH(W)METAL)
L4           0 L2 AND ALKALINE EARTH METAL

=> D L3 IBIB ABS CRD 1-5


L3   ANSWER 1 OF 5  CASREACT  COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER:        143:325973  CASREACT
TITLE:                   Method for producing fluorine-containing halide
INVENTOR(S):             Sugiyama, Akinari; Ichihara, Kazuyoshi; Shinoki,
                         Noriyuki; Mantani, Toshiya; Kondou, Masahiro
PATENT ASSIGNEE(S):      Daikin Industries, Ltd., Japan
SOURCE:                  PCT Int. Appl., 31 pp.
                         CODEN: PIXXD2
DOCUMENT TYPE:           Patent
LANGUAGE:                Japanese
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.       KIND  DATE           APPLICATION NO.  DATE
     ---------------  ----  --------       ---------------  --------
     WO 2005090270     A1   20050929       WO 2005-JP4302   20050311
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,
             SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
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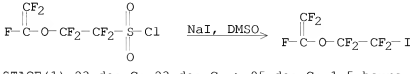
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 20070185355 A1 20070809
PRIORITY APPLN. INFO.: US 2006-593322 20060918
JP 2004-85295 20040323
JP 2004-201299 20040708
WO 2005-JP4302 20050311
OTHER SOURCE(S): MARPAT 143:325973

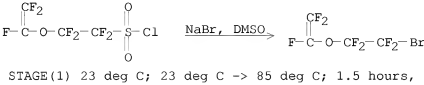
AB A method for producing a fluorine-containing halide, e.g. formula R2C(R1)(R3)X (R1, R2, R3 = H, halo, hydrocarbyl optionally containing 1 or ≥2 of F, O, N, and S atoms; provided that at least one of R1-R3 is halo; X = Br, iodo; when all of R1-R3 is not F, at least one of R1-R3 is F-containing hydrocarbyl), is characterized in that a fluorine-containing sulfonyl halide or a fluorine-containing disulfonyl chloride, e.g. formula R2C(R1)(R3)SO2Z (R1-R3 = same as above; Z = Cl, F; when Z is F, R1 and R3 are F and R2 = CF2:CFOCF2), is reacted with a metal halide, a metal or the like in a solvent or without a solvent. With this method, a fluorine-containing bromide, a fluorine-containing iodide or a fluorine-containing chloride can be easily produced in a com. advantageous manner at low cost and high yield. Thus, 20.0 g CF2:CFOCF2CF2SO2Cl was slowly added dropwise to a mixture of 30.4 g NaI in 30 g DMSO at 23.0° with stirring during which the temperature rose to maximum 85° and the color of the reaction solution turned reddish brown. The reaction mixture was further stirred for 1.5 h to give ≥99.9% CF2:CFOCF2CF2I, perfluoro(2-iodoethyl vinyl ether), according to 19F NMR.

RX(1) OF 5



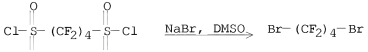
CON: STAGE(1) 23 deg C; 23 deg C -> 85 deg C; 1.5 hours, 85 deg C

RX(2) OF 5



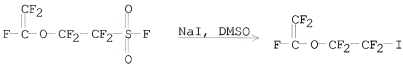
CON: STAGE(1) 23 deg C; 23 deg C -> 85 deg C; 1.5 hours, 85 deg C

RX(3) OF 5



CON: STAGE(1) 21 deg C; 21 deg C -> 85 deg C; 1.5 hours, 85 deg C

RX(5) OF 5



CON: STAGE(1) room temperature; 2 hours, 75 - 110 deg C

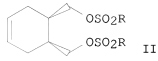
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 5 CASREACT COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 137:369764 CASREACT
TITLE: Multi-step process for the production of (1R,5S)-bicyclo[3.2.0]heptan-3-one from cis-1,2,3,6-tetrahydrophthalic anhydride
INVENTOR(S): Blakemore, David Clive; Bryans, Justin Stephen
PATENT ASSIGNEE(S): Warner-Lambert Company, USA
SOURCE: PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002090306	A1	20021114	WO 2002-IB1402	20020418
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
GB 2375108	A	20021106	GB 2001-10884	20010504
AU 2002253476	A1	20021118	AU 2002-253476	20020418
PRIORITY APPLN. INFO.:			GB 2001-10884	20010504
			WO 2002-IB1402	20020418

OTHER SOURCE(S): MARPAT 137:369764
GI


I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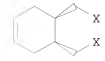
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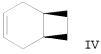
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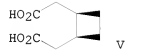
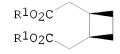
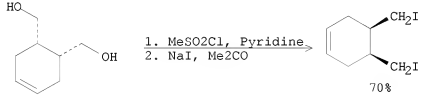

V


VI


I

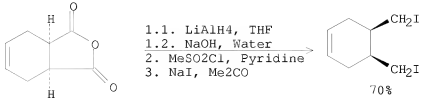
AB (1R,5S)-bicyclo[3.2.0]heptan-3-one (I) is prepared in a multi-step process via the reduction of cis-1,2,3,6-tetrahydrophthalic anhydride to form the corresponding diol which is esterified with an alkyl- or arylsulfonyl halide to form the corresponding disulfonate diester (II; R = alkyl, aryl), the disulfonate diester is iodinated or brominated with a Group IA iodide or bromide to form the diiodide or dibromide (III; X = I, Br) which is then decarboxylatively cyclyzed with an alkyl lithium compound to give the bicyclic alkene (IV) which is subjected to ring-opening oxidation to give the dicarboxylic acid (V) which is esterified with an alkanol R1OH (R1 = alkyl) to give the diester (VI) the diester is cyclized with a strong base to form the bicyclic β-keto ester (VII) which is converted into the title compound by thermal decarboxylation.

RX(10) OF 16 - 2 STEPS



NOTE: 1) alternative prepn. gave lower yields

RX(13) OF 16 - 3 STEPS



NOTE: 2) alternative prepn. gave lower yields

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

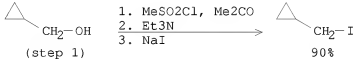
L3 ANSWER 3 OF 5 CASREACT COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 137:201095 CASREACT
TITLE: Industrial preparation of cyclopropylmethyl iodide
INVENTOR(S): Shimanuki, Kazuhiro; Hanzawa, Sadashi; Shimazaki, Kazuhiro
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan; Koriyama Kasei Co., Ltd.
SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002255867	A	20020911	JP 2001-51629	20010227

PRIORITY APPLN. INFO.: JP 2001-51629 20010227

AB The compound is prepared by mixing cyclopropylmethanol with organic sulfonyl halides in aprotic solvents, adding tertiary amines, and reacting the resulting cyclopropylmethyl organic sulfonates with alkali metal iodides and/or quaternary ammonium iodides in aprotic polar solvents. Methanesulfonyl chloride was added to acetone solution of cyclopropanemethanol, mixed with Et3N at 10-25° for 1.5 h, and reacted with NaI at 50° for 6 h to give 90.4% cyclopropylmethyl iodide.

RX(1) OF 1



L3 ANSWER 4 OF 5 CASREACT COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 133:207585 CASREACT
TITLE: Preparation of cyclopropylmethyl iodide
INVENTOR(S): Kasahara, Isamu; Sugawara, Mutsumi
PATENT ASSIGNEE(S): Nippon Soda Co., Ltd., Japan

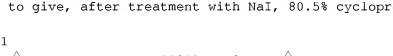
SOURCE: Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000256230	A	20000919	JP 1999-54224	19990302

PRIORITY APPLN. INFO.: JP 1999-54224 19990302

AB Title compds. are prepared by iodination of cyclopropylmethyl sulfonates with alkali metal iodides or quaternary ammonium iodides in aprotic polar solvents. Thus, cyclopropanemethanol was treated with methanesulfonyl chloride in N-methylpyrrolidone in the presence of Et3N to give, after treatment with NaI, 80.5% cyclopropylmethyl iodide.

RX(1) OF 1

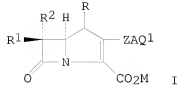


(step 1) 80%

L3 ANSWER 5 OF 5 CASREACT COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 116:59078 CASREACT
TITLE: Preparation of [[(heterocyclylimino)methyl]phenyl]carbapenems and analogs as antibiotics and antibacterial agents
INVENTOR(S): DiNinno, Frank P.; Thorsett, Eugene D.; Salzmann, Thomas N.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: U.S., 18 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5037820	A	19910806	US 1990-546279	19900629
CA 2045847	A1	19911230	CA 1991-2045847	19910627
EP 465126	A2	19920108	EP 1991-305822	19910627
EP 465126	A3	19920311		
R: CH, DE, FR, GB, IT, LI, NL				
JP 06220057	A	19940809	JP 1991-256066	19910629
JP 07008868	B	19950201		

PRIORITY APPLN. INFO.: US 1990-546279 19900629
US 1990-594888 19901009
OTHER SOURCE(S): MARPAT 116:59078
GI



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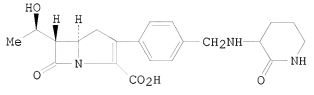
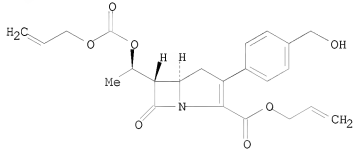


II

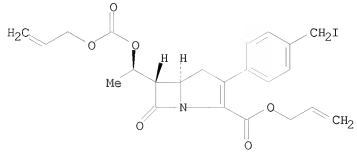
AB The title compds. [I; A = (CH2)mQ(CH2)n; M = H, alkali metal, protective group; Q = O2C, (alkyl)imino; Q1 = (oxo)azolyl, -azinyl, etc.; R = H, Me; R1, R2 = H, Me, Et, CH2OH, MeCH(OH), etc.; Z = (un)substituted 1,3- or 1,4-phenylenediyl; m = 1, 2; n = 0-2] were prepared as antibiotics and antibacterial agents (no data). Thus, allyl (5R,6S)-2-(4-iodomethylphenyl)-6-[(1R)-(allyloxycarbonyloxy)ethyl]carbapen-2-em-3-carboxylate (preparation given) was condensed with 3-amino-2-piperidone to give, after deprotection, title compound II.

RX(14) OF 30 - 2 STEPS



1. MeSO2Cl, Et3N, CH2Cl2
2. NaI

RX(14) OF 30 - 2 STEPS



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=>

---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	169.05	169.27
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.90	-3.90

STN INTERNATIONAL LOGOFF AT 04:12:06 ON 08 NOV 2009